

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

SMIRNOVA, G.M.; YEGOROVA, L.A.; KALININA, V.I.; UKHANOVA, V.A.;
BREZUBOVA, L.V.; ARTAMONOVA, V.V.; SHOL'YANINOVA, O.A.

Retardation of acid accumulation in case of continuous method
of bread preparation from grade I wheat flour with a dough making
machine with continuous action. Trudy TSMIIEHP no.8:151-152 '60.

(MIRA 15:8)

(Dough)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

ACC NR: AP6027432

SOURCE CODE: UR/0125/66/000/007/0054/0057

AUTHOR: Chekotilo, L. V.; Artamonov, V. L.; Orlov, V. A.

51B

ORG: [Chekotilo, Artamonov] Electric Welding Institute im. Ye. O. Paton, AN UkrSSR
(Institut elektrosverki AN UkrSSR); [Orlov] First State Bearing Plant (Pervyy gosudarstvennyy podshipnikovyy zavod)TITLE: Submerged-arc welding of oxidation-resistant austenitic Kh25N20S2 steel and
Kh18N35S3 alloy

SOURCE: Avtomaticheskaya svarka, no. 7, 1966, 54-57

TOPIC TAGS: ~~alloy~~, austenitic steel, chromium ~~nickel~~ steel, ~~chromium~~ nickel alloy,
~~chromium~~ resistant steel, metal welding/Kh25N20S2 steel, Kh18N35 alloy

ABSTRACT: Automatic submerged-arc welding of oxidation-resistant Kh25N20S2 steel and Kh18N35S3 alloy (both are susceptible to hot cracking owing to a high silicon content) can be done successfully with EP532(Kh25N20SRI) electrode wire containing 2.5-3% silicon and 0.4-0.7% boron and an ANF-22 flux. The wire should be 2.0-2.5 mm in diameter. For wires with a boron content over 0.5%, ANF-23 flux should be used. To reduce further the weld cracking, preheating to 200-250°C is recommended. The joints welded with EP532 wire possess a fairly high heat resistance. For instance, the rupture life at 900°C of Kh25N20S2 alloy welds austenitized at 1100°C and aged at 750°C for 5 hr was 177 hr under a stress of 2.5 kg/mm² and 705 hr under a stress of 2 kg/mm². Due to a high silicon content in EP532 wire, the welds are not susceptible

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UDC: 621.791.756:669.15-194

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to carburization and are oxidation resistant at high temperatures. The new method of automatic welding has been successfully introduced in the industry. Orig. art. has: 4 figures and 4 tables.

[ID]

SUB CODE: 11, 13/ SUBM DATE: 13Jan66/ ORIG REF: 004/ ATD PRESS: 5060

Card 2/2 eph

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

ARTAMONOVA, V.Ye., sanitarnyy vrach

Antiepidemiological work in consolidated rural hospital, Glig. i s.a.n.
23 no.4:45-47 Ap '58.
(MIRA 11:6)

1. Iz bol'nitny Mikhaylovskogo rayona Altayskogo kraya.
(HOSPITALS,
sanitary anti-epidemiol. activities of unified rural
hosp. (Russ))

BORYCHEV, Nikolay Ivanovich; ARTAMONOV, Ya.P., otrv. red.; OSVAL'D, E.Ya.,
red. izd-va; BERESLAVSKAYA, L.Sh., tekhn. red.

[Aid for the public inspector for the protection of workers in the
coal industry] V pomoshch' obshchestvennomu inspektoru po ohrane
truda v ugol'noi promyshlennosti. Moskva, Gos. nauchno-tekhn. izd-
vo lit-ry po gornomu delu, 1960. 88 p. (NIRA 14:7)
(Coal mines and mining—Safety measures)

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

ARTAMONOVA, YE. G.

ARTAMONOVA, YE. G.: "The detection of conditions necessary for crop formation by lucerne in the central regions of the non-chernozem zone." "All-Union Sci R's Inst of Fodder imeni V. N. Villo'yana, Yaroslavl', 1955.

(Dissertation for the degree of Candidate in Agricultural Sciences)

SO: Knizhnaya Letopis', No 36, 1956, Moscow.

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

FD-1510

USSR/Chemistry - Inorganic

Card 1/1 : Pub. 129-13/18

Author : Simanov, Yu. P.; Lapitskiy, A. V.; Artamonova, Ye. P.

Title : Some properties of tantalum pentoxide. Report 2

Periodical : Vest. Mosk., un., fizkomat. i yest. nauk, 9, No 6, 109-113, Sep 54

Abstract : Investigated the various modifications of tantalum pentoxide and established the presence of three new modifications. Determined the parameters of the lattices of the new modifications and studied the conditions under which one modification converts to another. Seven references. (Five USSR)

Institution : Chair of Inorganic Chemistry

Submitted : July 18, 1953

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CIA-RDP86-00513R000102220005-9"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

LAPITSKIY, A.V.; POSPMIOVA, L.A.; ANFANOVVA, Ye.P.

Study of the dissolving action of water and of mineral acids on
niobium and tantalum pentoxides. Zhur. neorg. khim. 1 no. 4:650-659
Ap '56.
(MERA 9:10)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
(Oxides) (Solubility)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

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CIA-RDP86-00513R000102220005-9"

21338

IS 2210 4016, 1273, 1145

8/078/61/006/004/010/018
B107/B218

AUTHORS: Lapitskiy, A. V., Artamonova, Ye. P.

TITLE: Products of the reduction of metanicobates of bivalent metals by hydrogen

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 6, no. 4, 1961, 904-908

TEXT: The reduction of the following metanicobates by hydrogen between 400 and 1200°C was studied: $\text{Be}(\text{NbO}_3)_2$, $\text{Mg}(\text{NbO}_3)_2$, $\text{Ca}(\text{NbO}_3)_2$, $\text{Sr}(\text{NbO}_3)_2$, $\text{Ba}(\text{NbO}_3)_2$, $\text{Fe}(\text{NbO}_3)_2$, and $\text{Pb}(\text{NbO}_3)_2$. All compounds had been prepared and analyzed in the authors' laboratory. The experimental technique is described in an earlier paper (Ref. 1: A. V. Lapitskiy, Ye. P. Artamonova. Zh. neorgan. khimii, 2, 820 (1957)). The samples were first annealed at 1200°C in the open air. X-ray pictures show that this did not lead to any change in the crystal structure. Reduction in a hydrogen atmosphere was carried out for 5 to 20 hr until a constant weight was attained. The strongest change in weight was exhibited by nichobates of beryllium (Fig. 1), iron (Fig. 1), and lead (Fig. 3). The reduction product of beryllium

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Products of the reduction of...

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metaniobate is a pure niobium oxide. X-ray analysis yielded NbO_2 with $a = 4.84 \text{ \AA}$ and $c = 2.99 \text{ \AA}$. Under these conditions, NbO is volatile because of the formation of an aerosol of beryllium hydroxide, as was proved by a special test series. A second experiment (30 hr at 1200°C) yielded NbO and NbO_2 in a ratio of 4:1. The following reactions are most likely to occur in the reduction of lead metaniobate: $\text{Pb}(\text{NbO}_3)_2 \rightarrow \text{PbO} + \text{Nb}_2\text{O}_5$; $\text{Nb}_2\text{O}_5 + \text{H}_2 \rightarrow 2\text{NbO}_2 + \text{H}_2\text{O}$; $\text{PbO} + \text{H}_2 \rightarrow \text{Pb} + \text{H}_2\text{O}$. Lead evaporates, and NbO_2 is left behind. The volatility of elementary lead was studied separately (Fig. 3, curve 2). Ferroniobate decomposes at 600°C , and Nb_2O_5 (high-temperature form) is formed. At 1200°C , metallic iron, NbO , and NbO_2 are found in the powder pattern. Under the above conditions, the reduction of alkaline-earth metaniobates proceeds less readily (Fig. 2). The reduction products were treated with dilute HCl, after which Mg, Ca, Sr, and Ba were microchemically determined in the solution. This is, however, impossible when metaniobates are treated with HCl. Weak lines in the powder patterns indicate the formation of NbO_2 and alkaline-earth oxides. The authors thank A. P. Golovina, P. K. Agasyan, and L. P. Reshetnikova who assisted.

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Products of the reduction of...

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B107/B218

in the experiments, and Vikt. I. Spitsyn and Yu. P. Simonov for discussions. There are 4 figures and 13 references: 9 Soviet-bloc. The three references to English-language publications read as follows: J. Elston, Proc. 2 United Nations Intern. Confer. of Peaceful uses of Atom. Energ. 5, 334 (1958); N. D. Ervey, R. L. Seifert, J. Electrochim. Soc., 98, 83 (1951); L. I. Grossweiner, R. L. Seifert, J. Amer. Chem. Soc., 74, 2701 (1952).

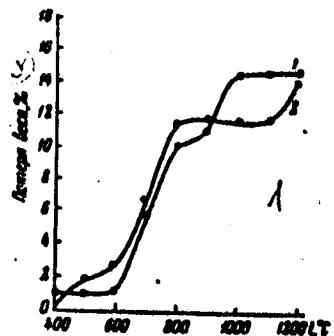
ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova
Laboratoriya radiokhimii (Moscow State University imeni
M. V. Lomonosov, Laboratory for Radiochemistry)

Card 3/5

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Products of the reduction of...

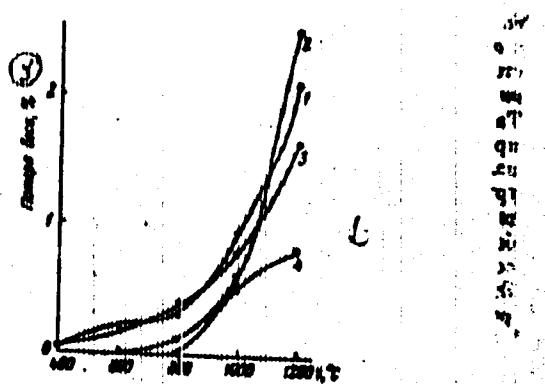
Fig. 1: Reduction by hydrogen.
Legend: 1) $\text{Be}(\text{NbO}_3)_2$; 2) $\text{Fe}(\text{NbO}_3)_2$;
y) loss in weight, %.



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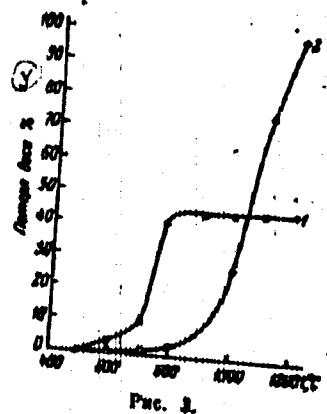
Fig. 2: Reduction by hydrogen.
Legend: 1) $\text{Mg}(\text{NbO}_3)_2$; 2) $\text{Ca}(\text{NbO}_3)_2$;
3) $\text{Sr}(\text{NbO}_3)_2$; 4) $\text{Ba}(\text{NbO}_3)_2$; y) loss
in weight, %.



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Legend to Fig. 3: 1) Reduction of
 $Pb(NbO_3)_2$ by hydrogen; 2) evaporation
of lead in a hydrogen atmosphere;
y) loss in weight, %.



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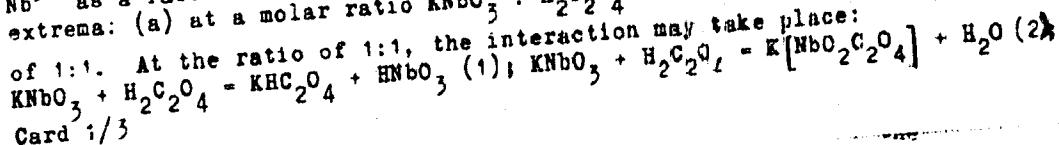
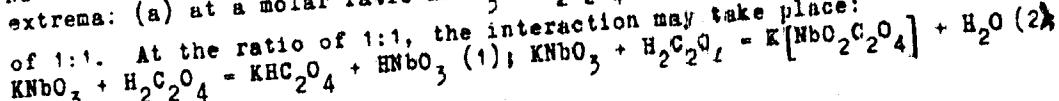
S/020/61/141/001/012/021
B103/B147

AUTHORS: Lapitskiy, A. V., Vlasov, L. G., Artamonova, Ye. P., and
Zyilkovskiy, Yu.

TITLE: Study of interaction of aqueous potassium metaniotate with
oxalic acid

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 141, no. 1, 1961, 101 - 103

TEXT: The authors studied, by means of physicochemical analysis, the system KNbO_3 - $\text{H}_2\text{C}_2\text{O}_4$ - H_2O both in isomolar series and in series with constant KNbO_3 concentration. They measured: electrical conductivity, optical density, transparency, lowering of the freezing point, viscosity, pH, and diffusion coefficient. When measuring the latter, they used Nb^{95} as a label. The composition - property curves usually show two extrema: (a) at a molar ratio $\text{KNbO}_3 : \text{H}_2\text{C}_2\text{O}_4 = 1 : 0.5$, and (b) at a ratio of 1:1. At the ratio of 1:1, the interaction may take place:



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..... unchanged up to the ratio of

Study of interaction of aqueous...

S/020/61/141/001/012/021
B103/3147

1:10. At a pH < 2, the complex is in solution in a strongly hydrolyzed state since the coefficient of self-diffusion is strongly reduced. At a pH of 1.8, it remained constant for various ratios between 1:1 and 1:10. Thus, only one compound, $K[NbO_2C_2O_4]$, is formed. The instability constant of the complex ion was found to be $8 \cdot 10^{-4}$. A compound with a ratio $Nb : H_2C_2O_4 = 1:3$ could not be found by the authors (contrary to F. Russ, Zs. anorg. Chem., 31, 42 (1902)). There are 3 figures and 4 references: 1 Soviet and 3 non-Soviet. The reference to the English-language publication reads as follows: C. G. Fink, L. G. Jenness, Am. Inst. of Min. and Met. Eng., Technical Publ., 1931, p. 147.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. N. V. Lomonosova
(Moscow State University imeni N. V. Lomonosova)

PRESENTED: April 22, 1961, by I. I. Chernyyayev, Academician

SUBMITTED: April 14, 1961

Card 3/3

S/078/62/007/008/003/008
B101/B138

AUTHORS: Lapitskiy, A. V., Artamonova, Ye. P.

TITLE: Hydrogen reduction of metatantalates of various metals

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 7, no. 8, 1962, 1908-1912

TEXT: The metatantalates LiTaO_3 , NaTaO_3 , KTaO_3 , RbTaO_3 , CsTaO_3 , $\text{Be}(\text{TaO}_3)_2$, $\text{Mg}(\text{TaO}_3)_2$, $\text{Ca}(\text{TaO}_3)_2$, $\text{Sr}(\text{TaO}_3)_2$, $\text{Ba}(\text{TaO}_3)_2$, $\text{Fe}(\text{TaO}_3)_2$, and $\text{Pb}(\text{TaO}_3)_2$ were heated in a hydrogen atmosphere at $400 - 1200^\circ\text{C}$ and the constant weight reached was determined. For apparatus and methods see Zh. neorgan. khimii, 2, 820 (1957). Weight became constant after 4 - 80 hrs, depending on the metatantalate. Results: (1) Alkali metatantalates showed maximum loss in weight above $600 - 700^\circ\text{C}$. Chemical analysis showed that the reaction $2\text{MeTaO}_3 \rightarrow \text{Me}_2\text{O} + \text{Ta}_2\text{O}_5$; $\text{Ta}_2\text{O}_5 + \text{H}_2 \rightarrow 2\text{TaO}_2 + \text{H}_2\text{O}$ must have occurred. The metal oxide is volatilized. Na and K compounds were more stable than Li, Rb, and Cs. (2) Except for $\text{Be}(\text{TaO}_3)_2$, the metatantalates of the alkaline earth metals showed high thermal stability. The Be

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Hydrogen reduction of metatantalates ...

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B101/B138

compound was reduced the most intensively and BeO was volatilized. The reduction product had the ratio BeO : Ta₂O₅ ~ 0.6. (3) Powder patterns of heated Fe(TaO₃)₂ showed the (011), (002), (112), and (022) lines of α-Fe, and, very faintly, those of FeO. The process follows the reaction: Fe(TaO₃)₂ = FeO + Ta₂O₅; FeO + H₂ = Fe + H₂O. As the loss in weight is only 4.28%, the reaction is not completed. (4) In Pb(TaO₃)₂ most of the reduced lead volatilizes (loss in weight: 31.02%). Conclusions: At high temperatures hydrogen reduction of metatantalates can only occur if cations with marked polarizing effect are present. There are 4 figures and 2 tables.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova, Kafedra radiokhimii (Moscow State University imeni M. V. Lomonosov, Department of Radiochemistry)

SUBMITTED: September 13, 1961

Card 2/2

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

GELETSEANU, I.; LAPITSKIY, A.V.; VEYNER, M.; SALIMOV, M.A.;
ARTAMONOVA, Ye.P.

Thorium acetates. Radiokhimiia 6 no. 1:93-101 '64.
(MIRA 17:6)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

Chemical Abst.
Vol. 48 No. 5
Mar. 10, 1954
Metallurgy and Metallography

Corrosion of steels by kerosene and methods of its inhibition. [V. N. Kostylev, L. D. Gerasimov, V. A. Artyukhov, and V. A. Kostyleva] Izv. Akad. Nauk SSSR, Khim. Nauki, 1953, No. 10, 2107-2114 (1953); cf. C.A. 48, 51009.—Contrary to conclusions drawn from work on the corrosive action of gasoline and hydrocarbons (J. C.A. 31, 4253; 1750; 33, 3760) kerosene was found to be corrosive to steels. The rate of corrosion for kerosenes treated in different manners, in diminishing order, are as follows: kerosene (I no. 0.30); and, with water; redistilled; treated with Na and acid, with H_2O_2 ; and treated with Na. The analysis of the products of corrosion were 91% Fe^{+++} salt of org. acids and 10% Fe_2O_3 . This acid was more than the benzene contained originally, and it continued to increase to 26 times its original content after the steel had been removed. This supports induced autocatalytic oxidation of kerosene when in contact with steel, and shows that the rate of oxidation is greater than the rate of combination of acid formed with Fe. The addition of a H_2O soln. of Na benzoate prevents corrosion in the water phase, but corrosion continues in the kerosene phase. Org. substituents config. Cl, S, NH₂, and OH are suggested as inhibitors (cf. C.A. 48, 51009). —D. Manganella

USSR

The corrosion of metals by a simulated sea water at
Kova, L. G., Gladkii, and B. V. Attanasio. Zavod ch.
Nauchno-issledovatel'skogo instituta po voprosam otsenivaniya
korozii i zashchity metallov. No. 46, 1963.

The corrosion of the following metals and alloys in simulated
sea water was studied by using the linear polarization method:
Steel 1: C 0.19, Mn 0.40, Si 0.30, S 0.045, P 0.03,
Ni 0.30, Cr 0.30%; Steel 2: C 0.10, Mn 0.08, Si 0.05,
S 0.045, P 0.010, Ni 0.09, Cr 0.10%; Steel 3: C 0.10,
Mn 0.09, Si 0.20, Cr 1.10; Steel 4: C 0.10, Mn 0.08,
Mn 0.08, Si 0.09, S 0.02, P 0.007, Ni 0.05; Steel 5:
Steel 5: C 0.31, Mn 0.76, Si 0.40, Cr 0.45, Ni 0.30,
Mg: Fe 0.00%, traces of Si, Mg: Al 0.3, Mn 0.2,
Zn 0.3, Cu 0.05, Ni 0.01, Si 0.20, Be 0.05, Be 0.05,
Mg-2: Al 0.05, Mn 0.3, Zn 0.7, Cu 0.05, Ni 0.05, Si
Be 0.05, Fe 0.00%. The behavior was characterized
differently, and by the following: 0% 0.01%; acidity 0.5%
KOH; iodine no. 0.30; 3 current 0.005; time 30 min.

J. V. Putinsky

according to Martens-Petrich (3). The Elliptips were received (1) and 20% water (II); dried (III) and 20% water over Na (IV); purified over Na and then dried (V). The host materials were stored (lasting 10-12 years) at -70°C dry in II, and 1 year with no corrosion in IV and V. The appearance of corrosion after 2 years in V was the same (7-10 days). Samples 1, 2, 4, 5 were nearly identical and stored between 1 and 3. Sample 3 lasted 25 days in I, 100 days in II, 10 years in IV. Samples 1 and 5 did not appear to undergo any changes in the air, and at the beginning of the induction period in the air, only at the surface, only slightly in the kerosene. This change was due to oxidation of adipic acid and citric acid. Samples 2, 4, 5 did not appear to undergo any changes in the air, and at the beginning of the induction period in the air, only slightly in the kerosene. These changes were described in previous publications. These changes were described in previous publications.

ARTAMONOV, Z.

✓ Preparation of diphenyl oxide. M. A. Umnovskii and
O. Artamonova, *J. Gen. Chem. (U. S. S. R.)*, 8,
305-6 (in French 610) (1928).—Ph₂O, m. 37-41°, b. 228-9°,
was prepd. in 64% yield from 32.5 g. PhOH, 22.5 g.
PM₂, 11.2 g. KOH and 0.8 g. CuCO₃ by heating the
mixture to 210-15° in 6 hrs. and holding at this temp. for
an addnl. 2.5-3 hrs. (cf. Russ. pat. 46,017 (1909)).
Chem. Zentral

100-114 METALLURGICAL LITERATURE CLASSIFICATION



Nauchno-issledovatel'skiy in-t tekhnicheskoy i radiotekhnicheskoy radioelektroniki im. V.A. Kurchatova, "Radio", Radiotekhnika i elektronika, starshiy nauchnyy sekretарь Г.А. СИДОРЕНКО, канд. техн. наук, старший научный сотрудник Г.А. СИДОРЕНКО, канд. техн. наук, старший научный сотрудник Г.А. СИДОРЕНКО, канд. техн. наук.

Use of active dichloroiodine cyanogen during knitted nylon fabrics.
Tekst.prom. 25 nauchnye, za 1/5. (MIRA 1814)

1. Penigradskiy Institut tekhnicheskoy i radiotekhnicheskoy radioelektroniki im. S.M. Kirova (for Riga oblast), 2. Inzstitut khimii AN Kazakhskoy SSR (for Kazakhstan), 3. Kazavtuprostroily chernicheskoy laboratoriyay radiotekhnicheskoy fabriki "Kraillmey znamya" Soveta narodnykh khozyaystvennykh i ekonomicheskikh rayona (for Kazakhstan), 4. Khimicheskaya laboratoriya chernicheskoy radiotekhnicheskoy fabriki "Krasnaya znamya" Soveta narodnykh khozyaystvennykh ekonomicheskikh rayonov (for Arktamordova).

MUZGIN, S.S.; ARTAMONOVSKIY, O.Yu.

Loading equipment for the Dzheskasgaa mine. Inv. AN Kazakh. SSR.
Ser. gor. dela, met., stroi. i stroimat. no.2:100-108 '57.
(Mining machinery) (Ore handling) (MLRA 10:9)

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

MUZGIN, S.S.; ARTAMONOVSKIY, O.Yu.

Bulldozer for underground mining. Inv. AN Kasakh. SSR, Ser. gor
dela no.2:100-105 '58. (MIRA 12:10)
(Mining engineering) (Bulldozers)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

8/123/61/000/020/033/035
A004/A101

AUTHORS: Musgin, S. S., Artamonevskiy, O. Yu.

TITLE: On an expedient type of underground bulldozer

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 20, 1961, 4, abstract 20Ts38 ("Izv. AN KazSSR. Ser. gorn. dela", 1960, no. 1 [12], 59-64, Kazakh summary)

TEXT: The authors describe the БП-1 (BP-1) underground bulldozer (for road levelling, cleaning the floor of mine workings, etc.) with hydraulic frame, developed by the Institute of Mining, AS KazSSR, and the Chelyabinsk zavod dorozhnykh mashin im. Kolyushchenko (Chelyabinsk Plant of Road Machinery) on the base of the С-100 ГII (S-100 GP) tractor. The BP-1 bulldozer can be powered either by a diesel engine or an electromotor. Bulldozers with diesel drive should be equipped with a scrubber of the catalytic type or a scrubber for the wet cleaning of exhaust gas. For operation in dead faces an electric drive is necessary. The weight of the bulldozer with tractor amounts to 14 tons, the length is 5,450 mm, width - 3,250 mm, height - 3,120 mm; power of diesel engine

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On an expedient type of underground bulldozer

S/123/61/000/020/033/035
A004/A101

- 90 HP, electric drive - 55 kw. It is pointed out that for the haulage of ore, the BN -2 (BP-2) bulldozer has been designed with a horseshoe moldboard. For small-scale work the BP-1 bulldozer can be fitted with a moldboard of the BP-2 type.

I. Paybisovich

[Abstracter's note: Complete translation]

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"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

MUZGIN, S.S.; ARTAMONOVSKIY, O.Yu.

Trailing cable reeling device on self-propelled mining machines.
Trudy Inst. gos. dela AN Kasakh SSR 4:115-125 '60.

(Mining machinery--Electric driving) (MIRA 13:9)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

ARTAMONOVSKIY, O.Yu.

Bulldozers for underground mining operations. Vest. AM Kasakh.
SSR 16 no.8:101-102 Ag '60.
(Bulldozers) (MIRA 13:9)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

ARTANOVSKIY, O. Yu. Cand. Tech. Sci. (diss) "Investigation of Work of Bulldozers in Underground Working of Sliding Deposits of Solid Ores with Use of Self-Propelled Equipment," Alma-Ata, 1961, 15 pp (Kazakh Polytech. Inst.) 200 copies (KL Supp 12-61, 262).

SHARIPOV, Vakhit Sharipovich; MUZGIN, Sergey Spiridonovich; SUPEZHANOV,
Mukhit Kuldzhanovich; IKACHEVSKY, Artem Milkayevich; ANTAMONOVSKY,
Oleg Yur'yevich; KULAKOV, Arkadiy Yakovlevich. Prinimali uchastie:
KAZYBEKOV, D.M.; IBBAYEV, Sh.I.; ISTOMIN, S.N., otv.red.; GEFMAN, L.M.,
red.izd-va; SIFYAGINA, Z.A., red.izd-va; SAL'TSOVSKIY, M.S., red.izd-va;
MAKSIMOVA, V.V., tekhn. red.

[Self-propelled machines for underground workings of ore deposits] Sa-
mokhodnye mashiny dlia podzemnoi razrabotki rudnykh mestoroshdenii.
By V.Sh.Sharipov i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gor-
nomu delu, 1961. 258 p.

(MIRA 14:12)

(Mining machinery)

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

ARTAMONOVSKIY, O.Yu., MUZGIN, S.S.

Linear stability of underground bulldozers. Trudy Inst.gor.dela
AN Kazakh.SSR 9:163-170 '62.
(Bulldozers) (MIRA 15:8)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

ARTAMONOVSKIY, O.Yu., inzh.; MUZGIN, S.S., inzh.

Bulldozer's moldboard for moving rocks. Stroili dor.mash. 7
no.2:20 P '62.
(Bulldozers) (MIRA 15:5)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

SHARIPOV, V.Sh.; PILOPOV, V.K.; ANTAMONOVSKIY, G. Yu.

Universal running gear for self-propelled mining machinery.
Trudy Inst. gor. dela AN Kazakh. SSR 13:93-97 '64.

(KIRA 17:7)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

SHCHERBINA, S.S.; AKTAMONOVSKY, O. Yu., GEGGIEV, Yu.P.; YUPATOV, E.V.
SHELEK, G.A.

Investigating an underground bulldozer-loader at the
Dzhezkazgan Mine. Trudy Inst. gor. dela AN Kazakh.
SSR 13:98-114 '64.
(MERA 17:7)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

AKTAMONOVSKIY, O.Yu., kand.tekhn.nauk; MUZGIN, S.S., kand.tekhn.nauk

Effect of a tractor suspension system on the precision control of
a bulldozer blade. Stroi. i dor. mash. 9 no.12:9-10 D '64.

(MIRA 18:3)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

POLAND / Cultivated Plants. Fodders.

M-4

Abs Jour: Ref Zhur-Biol., No 6, 1958, 25112

Author : Bulinski, R., Artamonow, E.

Inst : Not given

Title : The possible Utilization of *Fucus vesiculosus* L.

Orig Pub: Roczn. Panstw. zakl. hig., 1957, 8, No 1, 81-84
(Pol., res. Russ., Eng.)

Abstract: The possibility is explored of utilizing the brown algae *F. vesiculosus* for livestock fodder. An analysis of the chemical composition of this algae is given, together with the tests on animal feeding. It was established that due to the low assimilability of the thalluses they contain and the presence of toxic substances in them, this species may not be used for feeding purposes.
-- B. K. Flerov

Card 1/1

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EXCERPTA MEDICA Sec 17 Vol 5/1 Public Health Jan 59

366. THE EVALUATION OF BACTERIOLOGIC CLEANLINESS OF TABLE-SPOONS IN VARIOUS CANTEENS - Ocena czystosci bakteriologicznej łyżek stolarskich w różnych zakładach zbiornowego żywienia. Art. monograficzny. Działal. Hig. Zywienia i Zwyroźci Woj. Stac. San.-Epid., Lublin - ROK 1958.

PANST. ZAKŁ. HIG. (Warsz.) 1958. 9/1 (1-10) Graphs 1 Tableau 7 Illus. 3
It was observed that the number of bacteria on spoons from the same canteen fluctuates markedly; this might be caused by careless washing of spoons or by secondary infection after washing (dirty hands, dirty dish towels, improper storage of table-ware). Among the microorganisms haemolytic, non-haemolytic staphylococci and other Gram-positive cocci prevailed. Neither toxinogenic C. diphtheriae nor microorganisms of acid-resistant type were found. Among haemolytic staphylococci a large number of strains resistant to penicillin and other antibiotics was found. Using the same method of washing it was observed that smooth spoons were infected about 100 times less than those with a distinctly coarse surface.

ARTAMONSEV, N.Ya.

Pressing anchors designed by the Moscow Institute of Railroad
Engineers on manually operated presses. Tramsp. stroi. 10
no. 12:53 D '60.
(MIRA 13:12)

1. Starshiy inzhener Nauchno-issledovatel'skoy sektsii
Orgtransstroya.
(Reinforcing bars)

YUMIN, Naganail Aleksandrovich, kand. tekhn. nauk, dots.;
ARTAMONYCHEV, Aleksandr Nikolayevich, kand. tekhn. nauk,
dots.; MISHINA, Mariya Nikolayevna, kand. tekhn. nauk,
dots.; RAGOZIN, Boris Kupriyanovich, kand. tekhn. nauk;
GOLOVNIKOV, V. I., st. nauchn. sotr., kand. tekhn. nauk,
retsensent; BUCHIN, Ye.D., st. nauchn. sotr., retsensent;
REZNICHENKO, U.S., st. prep., retsensent; POMKINSKIY, L.I.,
inzh., red.; MORALEVICH, O.D., red.izd-vn; RIDNAYA, I.V.,
tekhn. red.

[Organization of river fleet operations] Organizatsiya raboty
flota; zadachi i raschety. Moskva, Izd-vo "Rechnoy transport,"
1960. 212 p.
(MIRA 16:8)

1. Zaveduyushchiy kafedroy "Organizatsiya raboty flota i
portov" Novosibirskogo instituta inzhenerov vodnogo transporta
(for Yumin).

(Inland water transportation)

VAL'KOV, Grigoriy Petrovich. Prinimali uchastiye: KAZAKOV, A.P.,
kand. tekhn. nauk, dots.; GNCIAN, A.A., inzh.; MOGOZOV,
N.P., inzh.; ARTAMONYCHEV, A.N., kand. tekhn. nauk,
retsensent; MARYENIN, N.V., inzh., retsensent; RZHECHITSKIY,
B.D., red.; MAKRUSHINA, A.N., red.

[Organization of cargo handling; problems and examples] Orga-
nizatsiya gruzovykh rabot; zadachi i primery. Moskva,
Transport, 1965. 299 p.
(MIRA 18:6)

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

ZAIKA, Viktor Yevgen'yevich; GALAZIY, G.I., otrv. red.;
ARTAMOSHIN, A.S. red.

[Parasites of fishes in Lake Baikal] Parazitofauna ryb ozera
Baikal. Moskva, Nauka, 1965. 105 p. (MIRA 18:6)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

ARENDT, A.A., prof.; ARTARYAN, A.A., kand.med.nauk

Changes in cerebrospinal fluid circulation following surgical
intervention in connection with tumors of the cerebellum. Probl.
sovr.neirokhir. 4:14-20 '62. (MIR 16:2)
(CEREBELLUM-TUMORS) (CEREBROSPINAL FLUID)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

ARTARYAN, A.A., kand. med. nauk

Method of surgical operation in tumors of the cerebellum and
the fourth ventricle (exclusion of the lower posterior cere-
bellar artery). Vop. neirokhir. 28 no.1:44-49 Ja-P '64.

(MIRA 18:1)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni
institut neyrokhirurgii imeni N.N. Burdenko (direktor - prof.
B.G. Yegorov) AMN SSSR i kafedra neyrokhirurgii (zav. prof.
A.A. Arendt) TSentral'nogo instituta usovershenstvovaniya
vrachey, Moskva.

MAREYEVA, T.G.; ROSTOVKAYA, V.I.; ACHARYAN, A.A.

Some modifications of subcural plastic surgery on internal osseous
defects in anterior cerebral hernia. Vop. neirokhir. 28 no.4:48-50
Jl-Ag '64.

(MIRA 18:3)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krushnego Znameni
institut noyrokhirurgii imeni Burdenko (dir. - prof. A.I.
Artyukov) MM SSSR i kafedra noyrokhirurgii (zav. - prof. A.A.
Arendt) Tsentral'nogo instituta naoversheni Lvovariym vrachey,
Moskva.

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

ARTAMONSEVA, M. D.

"Cordaites of the Coal-Bearing Deposits of the Kuzbas." Cand Geol-Min Sci,
Tomsk Order of Labor Red Banner Polytechnic Inst imeni S. M. Kirov, Min Higher
Education USSR, Tomsk 1954.
(KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR
Higher Educational Institutions (12)
SO: Sum. No 556, 24 Jun 55

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

ARTAMONYCHEV, A.; KHAKHIN, N.

Efficient methods for fixing towlines on rafts. Rech. trans.,
19 no. 6:15-17 Je '60. (MIR4 14:2)
(Towing) (Rafts)

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

ARTAMONYCHEV, A., kand.tekhn.nauk; SOROKIN, M., inzh.

Improve methods of transporting crated piece cargoes and lumber
on Siberian rivers. Rech.transp 21 no.419-12 Ap '62.

(MIRA 15:4)
(Siberia-Inland water transportation) (Cargo handling)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

ARTAMONYCHEV, A. N. Cand Tech Sci -- (diss) "On the problem of the increasing
of tractional productivity of raft traction." Gor'kiy, 1957. 13 pp (Min of the River
Fleet RSFSR. Gor'kiy Inst of Engineers of Water Transport. Chair of
Organization of Traffic), 100 copies (KL, 5-58, 101)

-21-

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

AETAMONYCHEV, A.N., inshener.

Calculating the speed of raft movements on reservoirs. Rech.
transp. 16 no.4:5-7 Ap '57. (MLRA 10:5)
(Towing) (Inland navigation)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

ARTAMONYCHEV, A.; GARINOV, K.; STOROZHEV, N.

Use of sectional barge trains on Siberian rivers. Rech.
transp. 19 no.7:12-15 J1 '60. (MIRA 13:8)
(Siberia—Rivers) (Towing)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

ARTAMONYCHEV, A.N., kand. tekhn. nauk, dotsent; YUMIN, N.A., kand. tekhn. nauk, dotsent, otd. red.

[Problems in the operation of the fleet and ports.] Voprosy ekspluatatsii flota i portov. Moskva, Transport, 1965. 45 p. (Novosibirsk. Institut inzhenerov vodnogo transporta. Trudy, no.19). (MIRA 19:1)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

ARTAMOSHIN, S.I., iush.

Using slag concrete made of agglomerated slag in producing
wall blocks. Stroi. prom. 36 no. 7: 3 of cover Jl '58. (MIRA 11:8)

1. Mesobstroytenil.

(Slag)
(Concrete blocks)

ARTAMOSHIN, Yu.N., polkovnik

Troop masses must study the historic decisions of the party congress.
Vest. protivovozd. obor. no.12:7-9 D '61. (MIRA 15:3)
(Russia—Armed forces—Political activity)

1.1100

33806

8/137/62/000/001/062/237
A060/A101

AUTHOR: Artamov, A. Ya.

TITLE: Mechanical working of metallo-ceramic antifriction materials by cutting

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1961, 40, abstract 1G302 ("Porozhk. metallurgiya", 1961, no. 3, 63-74, English summary)

TEXT: An investigation was carried out upon the influence of the parameters of the cutting schedule (feed 0.03 - 0.24 mm/rev, cutting depth 0.1 - 0.4 mm, speed 30 - 300 m/min) and the geometry of the cutting tool (rake angle from -15° to +15°, chamfer radius of cutting edges 0 - 3 mm) upon the gas-permeability, wear, and surface purity of iron-graphite metallo-ceramic materials with porosity of 10 - 35%. The gas-permeability of porous specimens deteriorates as the rake angle and the feed are decreased, and as the edge-chamfer radius, cutting rate and depth are increased. As result of these experiments schedules were worked out for "contractile" and "non-contractile" cutting. In the first case the gas-permeability deteriorates by a factor of 10 as compared with untreated parts, in the second case the gas-permeability is almost unchanged, but the

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Card 1/2

Mechanical working of metallo-ceramic ...

33806
S/137/62/000/001/062/237
A050/A101

working purity is lower by 1 - 2 classes. The results of measuring the wear-resistance and the coefficient of friction of the specimens after calibration and after various working schedules are cited. The wear-resistance of specimens treated according to the "contractile" schedule increases by a factor of 7.5.

R. Andriyevskiy

[Abstracter's note: Complete translation]

Card 2/2

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

✓ 577. GRAY (INTERNAL POLIC PROJECT) ARTEMOV, I. (INTERIOR MINISTER)
10 MAR. 1994, 77. [REDACTED]

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

KRAPIVINTSEVA, S.I.; GALETSKAYA, O.I.; ARTAMOV, V.N.; MALINSKAYA, N.N.

Functional state of the motor analyzer and of the cardiovascular system as an indication of the degree of physical training of juveniles and as a basis for setting up the pattern for the first year of industrial education. Uch. zagr. Mosk. nauch.-issl. inst.san. i gig. no.2:33-36 '49. (MIRA 16#11)

1. Institut gigiyeny truda i professional'nykh zabolеваний AMN SSSR i Moskovskiy nauchno-issledovatel'skiy institut sanitarii i gigiyeny imeni F.F. Erismanna.

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"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

IVANOV, M.N., doktor tekhn.nauk, prof.; SHUVALOV, S.A., kand.tekhn.nauk,
dotsent; ARTANOV, A.K., inzh.

Undulating gears. Izv.vys.ucheb.zav.; mashinostr. no.8±53-69
'63.
(MIRA 16:11)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Baumana.

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

Electrical Engineering

Dissertation: "An Investigation of a Synchronous Motor With a Mechanical Rectifier."
Cand Tech Sci, Sci Res Inst, Ministry of Electric Power Stations and the Electrical
Industry USSR, 11 Mar 54. (Vechernaya Moskva Moscow, 1 Mar 54)

SO: SUM 213, 20 Sep 1954

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

ARTANOV, S. G.

"Investigation of a Synchronous Motor with a Mechanical Rectifier,"

Dissertation for the Degree of Candidate of Technical Sciences, defended at
Scientific Research Institute of Electrotechnical Industry, 11 March 1954,
(Elektrichestvo, 1958, Nr 4, pp 87-88)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

KUZNETSOV, B.I., inzh.; ARTANOV, S.G., kand.tekhn.nauk; ORZHAKHOVSKIY,
M.L., inzh.

Principal factors determining the reliability of electrical
machines. Vest. elektroprom. 33 no.9:57-62 8 '62. (NIRA 15:10)
(Electric machinery)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

ARTANOV, S.G., kand. tekhn. nauk

Measurement of dimensions and economic efficiency indices
of synchronous and asynchronous machines with aluminum
windings. Elektrotehnika 35 no.1:29-36 Ja '66.
(MIRA 17:2)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

L 39682-66 EWT(d)/EWT(l)/EWP(v)/EWP(k)/EWP(h)/EWP(1) 3D-2
ACC NR: AP6009502 (A) SOURCE CODE: UR/0105/66/000/003/0013/0018

AUTHOR: Artanov, S. G. (Candidate of technical sciences)

13

ORG: VNIEM

12

B

TITLE: Determining optimal size of electrical machinery

SOURCE: Elektrichestvo, no. 3, 1966, 13-18

TOPIC TAGS: electric machinery, induction motor, electric machine design

ABSTRACT: In the classical Widmar method of electric-machine design, the fundamental dimensions and relations (stator diameters, stator length, tooth-to-slot ratio, slot height-to-width ratio, etc.) are specified as initial; hence, the method does not guarantee the best utilization of materials. A new procedure for electric-machine design is suggested in which these quantities are used as initial data (for induction motors): power, voltage, rpm, maximum torque ratio, class

Card 1/2

UDC: 621.313.04

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

ACC NR: AP6009502

and thickness of insulation, number of slots, airgap, stator induction, winding current density. Formulas are developed which permit calculating: slot dimensions, tooth width, yoke thickness, stator core diameters, core length. The method has been used in practice for designing a new series of 100 to 1000 kw induction motors. Other sets of formulas can be developed for other types of electric machinery. Other machine parameters can be determined by using conventional methods. Orig. art. has: 75 formulas.

SUB CODE: 09 / SUBM DATE: 20Jul65 / ORIG REF: 003

Card 2/2 *pxd*

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

ARTANOV, V.M.

Efforts to achieve technological progress. Log. prom. 15 no.4:
29-30 Ap '55.
(MLRA 8:7)

1. Sekretar' partiynogo byuro shveynoy fabriki imeni K.Tsetkin.
(Clothing industry)

ARTANOVA, A.X.

Method of forecasting the average winter temperature in distant
pastures of the Northern Caucasus. Meteor. i gidrol., no. 12:26-29
D '62. (MIRA 15:12)

1. Tsentral'nyy institut prognozov.
(Caucasus, Northern—Temperature)

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

ARTANOVA, A.K.

Aridity of the western coasts of continents in tropical
and subtropical latitudes. Vest. Mosk. un. Ser. 5:Geog. 18
no.5:75-78 S-0 '63.
(MIRA 16:11)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

ARTANOVSKIY, Yu.

State purchasing prices and flax quality. Vop. ekon,
no.10:142-146 O '62. (MIRA 15:11)
(Flax—Prices)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

ARTANOVA, A.K.

Specific features of the wind regime in the southwestern part of
the North Pacific during the first (25th) cruise of the "Vityaz"
Trudy Inst. Okr. 40°29'-39° '60. (MIRA 14/6)
(Pacific Ocean--Winds)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

Antakya, S. A.

Tubercular affection of bones of the cranial vault. Vop. nefrolodhir. 16 no. 4,
1952.

SO: MLRA, November 1952

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

ARTARYAN, A. A., Cand Med Sci -- (diss) "Blood supply of the cerebellum damaged by # tumor." Mos, 1958. 12 pp (Min of Health USSR, Central Inst for Advanced Training of Physicians), 200 copies (XL, 16-58, 125)

- 94 -

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

ARTARYAN, A.A., kand. med. nauk (Moskva)

Blood supply of neuroectodermal tumors of the cerebellum. Vop.
neirokhir. 25 no.1:49-52 Ja '61. (MIRD 14-2)

1. Kafedra neyrokhirurgii Tsentral'nogo instituta usovremenistrovaniya vrachey i Institut neyrokhirurgii imeni akad. N.N. Burdenko AMN SSSR.

(BRAIN--TUMORS)

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

KUZNICHENKO, A.P.; ARTASHEVICH, L.A.

Device for continuous controlling of moisture in the porcelain batch.
Stek.1 ker. 17 no.3:36-37 Mr '60. (MIRA 13:6)
(Porcelain)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

107-57-3-45/64

AUTHOR: Artashov, A. (Cherepovets)

TITLE: Locating Short Circuits in Variable Capacitors. Experience exchange
(Opredeleniye mesta zamkaniya v kondensatorakh peremennoy yemkosti.
Obmen opytom)

PERIODICAL: Radio, 1957, Nr 3, p 41 (USSR)

ABSTRACT: A conventional lighting bulb should be connected in series with the
variable capacitor being tested and supplied from a wall outlet. The bulb will
flash, and the exact place of short circuit will be revealed by sparking.

Card 1/1

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

ARTASOV, A.I.

Accuracy of determining coordinates and heights of points
in gravity surveys. Geofiz. razved. no.11:107-117 '63.

(Gravity anomalies)

(MIRA 16:8)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9

"Problema yedinstva i mnozhestvennosti kul'tur v sovremennoy etnografii."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,
Moscow, 3-10 Aug 64.

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000102220005-9"

ARENDT, A.A., prof.; ARTARYAN, A.A., kand.med.nauk; BAIROV, G.A., prof.; VOLKOV, M.V., prof.; VARSHAVSKAYA, D.Ya., kand. med. nauk; VOROKHOBOV, L.A.; GENERALOV, A.I., kand. med. nauk; DANIYEL'BEK, K.V., kand. med. nauk; DERZHAVIN, V.M., kand. med. nauk; DOLETSKIY, S.Ya., prof.; YERMOLIN, V.N.; ZATSEPIN, S.T., kand. med. nauk; ZVYAGINTSEV, A.Ye., dots.; ISAKOV, Yu.F., doktor med. nauk; KOZYREV, V.A., kand. med. nauk; KONOVALOV, A.N.; KORNYANSKIY, G.P., prof.; KLIMANSKIY, V.A., kand. med. nauk; KLIMKOVICH, I.G., dots.; KONIRASHIN, N.I., kand. med. nauk LEVINA, O.Ya., kand. med. nauk; LENYUSHKIN, A.I., kand. med. nauk; LEYZON, N.D., doktor med. nauk; MALININA, L.I., doktor med. nauk; MAREYeva, T.G., kandidat meditsinskikh nauk; MERSESYANTS, S.I., kand. med. nauk; OVCHINNIKOV, A.A.; OGLEZNEV, K.Ya., kand. med. nauk; ROSTOTSKAYA, V.I., kand. med. nauk; STEPANOV, E.A., kand. med. nauk; RYBNIKOV, P.V.; OSTROVERKHov, G.Ye., prof., glav. red.; DOMEROVSKAYA, Yu.F., prof., otv. red.

[Multivolume manual on pediatrics] Mnogotomnoe rukovodstvo po pediatrii. Moskva, Meditsina. Vol.9. [Pediatric surgery] Khirurgiya detskogo vozrasta. Red.toma S.IA. Doletskii. 1964. 654 p.
1. Deystvitel'nyy chlen AMN SSSR (for Dombrovskaya). 2. Chlen-korrespondent AMN SSSR (for Bairov, Volkov).
(MIRA 17:9)

ARTAZOV, S. (g. Sukhumi)

Seven years without damages and incidents, Crash, av. 13 no. 5:
13 My '56.
(MIRA 9:9)

1. Zamestitel' komandira podrasdeleniya po politichnosti.
(Aeronautics, Commercial)

ARTBAUER, J.

A bushing for a 220-kv. transformer. p. 526.

Vol. 44, no. 10, Oct. 1955
ELEKTROINZENICKY ČZCR
Praha, Czechoslovakia

Source: East European Accession List. Library of Congress
Vol. 5, No. 8, August 1956

"APPROVED FOR RELEASE: 09/24/2001

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ARTBAUER, J.

Discharges in condenser type insulations.

P. 559. (ELEKTROTECHNICKY OPZOR) (Praha, Czechoslovakia) Vol. 3, no. 20, Dec. 1957

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, May, 1958

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ARTBAUER, J.

Measuring dielectric losses of insulating oils. p. 87.
(Elektrotechnik, Vol. 12, no. 3, March 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions. (EEAL) LC. Vol. 6, No. 6,
June 1957. Unclassified.

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HULL & TULLY, L. H.

7. Effects aging characteristics of high-vacuum, organic
resin bonded paper insulation used in vacuum insulators
[in Arithmos (V) 1965, number 21, page 125, published by
Arithmos, issue 47, 01830271007 (in Slovakia).] Aging of
the paper insulation is caused by ionization of gases in pores
within the paper. Complete breakdown of the insulator
depends on the ionization energy and time of exposure.
Almej B. Borikovic

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CIA-RDP86-00513R000102220005-9"

ARTBAUER J. ; MACHU V. ; SEDOVIC

Discussion of Kolar's article on thermal resistance of insulators and systems;
also, remarks by L. Kolar, p. 436.

ELEKTROTECHNICKY, OBZOR. Bratislava, Czechoslovakia. Vol. 48, no. 8, Aug. 1959.

Monthly list of East European Acquisitions (EEAI) LC, Vol. 9, no. 2, Feb. 1960
Uncl.

AUTHOR: Jan Artbauer

TITLE: "Determination of the Resistance of Insulating Substances to Discharges"

SOURCE: Prague, Elektrotechnicky Obzor, Vol L, No 8, (Aug 61) p 409-412

DESCRIPTION: The article gives an outline of the general problem of electric discharges on the surface of insulating substances, and the overall problem to determine their resistance to the discharge, the efforts of the Electrical Research Association and of the French Central Laboratory of Electric Industries. The part of particular interest is the evaluation of the proposed methods of determination, and the present status in Czechoslovakia.

S/196/62/000/015/001/008
E194/E155

AUTHORS: Artbauer, J., and Griač, J.

TITLE: An electric strength test procedure for sheet insulating materials

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika, no. 15, 1962, 7, abstract 15 B 58. (Bull. VUKI, v. 14, no. 5, 1961, 225-234). (Slovak, abstracts in English and Russian)

TEXT: The ability to resist discharge was determined in a practically uniform field set up between two plane electrodes with rounded edges. About 0.5 mm separated the upper electrode and the sheet specimen. The functional relationship was determined between the applied voltage and the time to breakdown when corona acted on the specimen. A removable cap kept the specimen and electrodes from direct contact with the ambient air. The curve of breakdown voltage as a function of corona application time was a drooping one. Because of the considerable scatter of results, the mean breakdown voltage was determined statistically from

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Z/017/62/051/004/001/001
D291/D302

AUTHORS: Artbauer, Ján, Engineer, Candidate of Technical Sciences,
and Griac, Juraj, Physicist

TITLE: A method to determine the resistance of insulators against
discharges

PERIODICAL: Elektrotechnicky obzor, v. 51, no. 4, 1962, 156-161

TEXT: The article, predominantly based on Western sources, describes a novel, advantageous and convenient method to determine the discharge resistance of insulating materials. This method which eliminates the disadvantages of conventional test methods and better meets practical requirements, uses flat specimens placed between electrodes which produce a nearly homogeneous electric field perpendicular to the specimen surface. These specimens are subjected to electrical discharges at different voltages, and the time(t_{pr}) is measured which elapses until breakdown. After a general description of corona properties of insulating materials, and discussing the circumstances, under which a dielectric breakdown occurs

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D291/D302

A method to determine the ...

and possibilities of reducing breakdown tests, the authors give a detailed description of the development and final version of the novel test method. The insulator specimens are prepared in form of 3 mm thick plates, measuring at least 60 x 60 mm. The discharge electrodes are flat, symmetrically arranged on both sides of the specimen. The grounded electrode, embedded in a dielectric material, directly supports the specimen, the air gap between the voltage electrode and the specimen surface is 0.50 mm. The latter electrode is covered by a glass-fiber cup which is pressed against the specimen by a spring. The glass-fiber cover is used to maintain the concentration of ozone, originating during discharges, at a constant value, and a 0.5 mm vent, drilled into the cup, avoids under-pressure in the closed system which, otherwise, causes deformation of the specimen plate. The time which elapses until breakdown must be measured at least at three different discharge voltages, carefully chosen within the range of originating ionization till spontaneous breakdown. Regarding extrapolation of obtained values, it is recommended starting the tests at a lower voltage which is gradually increased (1 hr intervals) till ✓

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D201/D302

A method to determine the ... breakdown occurs. In the experiments, described in the article, an arrangement was used where 10 electrode pairs were mounted on a common frame, so that 10 specimens could be tested simultaneously. The lowest discharge resistance was observed in polytetrafluoroethylene (teflon); however, also insulating materials with higher discharge resistance produced rather unsatisfactory results. Largely differing test values may possibly be attributed to chemical changes of the specimen surface. In conclusion, the authors state that insulator discharge-resistance tests are rather difficult, and that the described method can be considered only the first step toward solving the variety of problems involved. (Technical Editor: Doctor Engineer V. Chura). There are 7 figures and 15 references, 3 Soviet-bloc and 12 non-Soviet-bloc. The references to the 4 most recent English-language publications read as follows: C.D. Nail: Corona discharge - the failing of dielectrics. Electronic Industries (1958), Sept., pp 74-77; J.H. Mason: Dielectric breakdown in solid insulation. V "Progress in dielectrics", vol. I, 1959; J.H. Mason: The resistance of sheet insulation to surface discharges. Proc. IRE 107 (1960), pp 551-568; G.F. Lang: Ionization problems in large rotating machines.

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Card 3/4

A method to determine the ...

Z/017/62/051/004/001/001
D291/D302

Insulation (1960), Dec., pp 21-26.

SUBMITTED: August 12, 1961

Card 4/4

L 30168-66 EWPlj/T ACC NR: AP6020618

I.P(c) RM/WW/JWD

SOURCE CODE: CZ/0012/65/000/009/0560/0564

AUTHOR: Artbauer, Jan (Candidate of sciences; Engineer); Grinc, Juraj (Graduate physicist)

ORG: Research Institute of Cables and Insulators, Bratislava (Vykumny ustav kablov a izolantov)

TITLE: Influence of cross-linking and of admixtures on the intrinsic electric strength of ethylene-propylene copolymer

SOURCE: Elektrotechnicky casopis, no. 9, 1965, 560-564

TOPIC TAGS: admixture, copolymer, polymer cross linking, electric property

ABSTRACT: The article describes experiments conducted to determine the influence of cross-linking and of admixtures (di-cumyl peroxide, Peroximon, sulfur, kaolin, CaCO₃, ZnO and stearic acid) on the intrinsic electric strength of ethylene-propylene copolymer. The method and results are presented. The authors thank Engineer R. Rado, Candidate of Sciences, for consultations on the experiment and comments on the use of copolymers. [JPRS]

SUB CODE: 07, 20, 11 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 005

Card 1/1 CC

ARTBAUER, G.

A contribution to the discussion of Z. Radl's article "Temperature Rise of Iron Fittings around Conductors for Strong Alternating Currents." p. 353.
(Elektrotechnicky Obzor. Vol. 46, no. 7, July 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

Z/042/61/000/010/003/003
E197/E435

AUTHOR: Artbauer, Otto

TITLE: Short period temperature rise of isolated or submerged conductors which simultaneously conduct heat lengthwise

PERIODICAL: Elektrotechnicky časopis, no.10, 1961, 640-647

TEXT: The purpose of the author is to determine conditions under which the effect of cooling at the surface of conductors heated for short periods can be neglected and only heat conduction along the conductor need be considered. The author refers to the case when a heavy current will cause temperature rise in a portion of a circuit, say during short circuit, and states that while an exact solution is possible for obtaining the temperature of the conductor under conditions of heat transfer through the surface to the surroundings, the formula is far too complicated and substitutes the case when conduction takes place along the conductor only. In the case of an insulated conductor, it is postulated that: the temperature across the conductor's cross-section will be uniform; the heat conducted by the insulation in the axial direction will be relatively small if the thermal conductivity of the insulator is about hundred times smaller than Card 1/3